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The Students of Worcester Polytechnic Institute

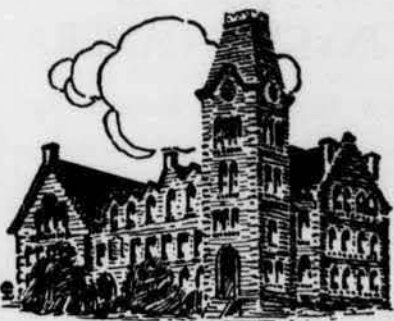
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TECH NEWS



VOL. XVIII

WORCESTER, MASS., MAR. 29, 1927

NO. 21

SMITH SPEAKS AT ASSEMBLY

"The Forward Look" by Dept. of the Interior is Subject

NEW MEMBERS NAMED BY HONORARY SOCIETIES—THE SKULL TAPS FIVE — T. B. P. PLEDGES ELEVEN

At one of the most interesting assemblies of the college year, held last Thursday in the Alumni gym, the Skull tapped five men, the Tau Beta Pi pledges were announced and Dr. George Otis Smith, director of the United States Geological Survey, spoke on "The Forward Look by the Department of the Interior."

The speaker of the day, who has directed the United States Geological Survey for twenty years, in his address, discussed the Indian problem. The Indians, it developed, are more numerous at the present time than in the colonial days. Dr. Smith pointed out that, while the average American is worth but \$3,000, the Indian is worth \$11,000.

The Department of the Interior might well be called the Department of Western Development. In one year the United States government sold 17,000,000 acres of land. This is equivalent to three states of the size of Massachusetts. During the recent Florida land boom, Uncle Sam disposed of 80,000 acres at \$10,000 an acre. This land had originally cost the government seventeen cents an acre.

Dr. Smith spoke of the opportunities
(Continued on Page 2, Col. 5.)

SWIMMING MEET TO BE HELD IN TECH POOL

Championship Match Is Scheduled

This Saturday will see many fine swimmers, both men and women, swimming in the Aldred-Fuller pool. The occasion will be the open swimming meet. The events that are open for men are: New England senior 220 yard breast stroke, and New England senior low-board diving; these two events are held to decide the N. E. A. A. U. championship; 100 yard back stroke, scratch and 100 yard free style. The events open for women are: 50 yard free style and the 220 yard free style. The closed

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MOTION PICTURES

On April 14th, at 4 p. m., there will be shown in the lecture room of the Electrical Engineering building, a moving picture entitled "A Forward Step in Stoker Performance."

On April 25th, at 4 p. m., there will be shown in the same lecture room, a moving picture entitled "Coal, The Basic Fuel."

These interesting and instructive pictures come from the Sanford Riley Stoker Company. All are invited to attend.

TAU BETA PI PLEDGES ELEVEN JUNIORS

At last Thursday's student assembly Richard Beth, '27, president of the local chapter of the honorary engineering society of Tau Beta Pi, spoke briefly upon this organization, its ideals and its purposes. Previous to calling for the eleven juniors who were to be honored by this society, Mr. Beth also explained that Tau Beta Pi pledges were chosen from the first eighth of the men in each department who were worthy in character and in service. Then Mr. Beth, assisted by Mr. Tarbox, pledged the following men selected from the Junior Class: Frank Eugene Buxton of Shrewsbury, John Edward Driscoll of Holyoke, Everett Wheeler Fowler of New Britain, Conn., Dwight Euerle Jones of Amherst, Allan Everett Lawrence of Woodcliff, N. J., Salvatore Francis Marino of Brooklyn, N. Y., Forrest Sprague Nelson of Worcester, Leonard Monell Olmsted of Hartford, Conn., Elmer Lawrence Taylor of Greenfield, Andrew Leslie Wilkinson of Worcester and Alfred Whitman Young of Norwich, Conn.

TECHNICAL FILMS INTEREST MANY

Diversified Program of Six Reels Is Presented

Six interesting reels were shown at the weekly presentation of moving pictures in the E. E. Lecture room last Friday afternoon under the auspices of the A. I. E. E. The pictures shown were entitled, "Big Deeds in Engineering," "The Land of Cotton" and "The Benefactor."

"Big Deeds in Engineering," depicted some of the big events that were taking place in the engineering field of to-day. The process by which metal cables are made was shown and the construction of the largest porcelain insulator in the world was depicted. Finally a modern electrically driven shovel was shown in operation demonstrating vividly how much more could be accomplished by a machine than by human muscle.

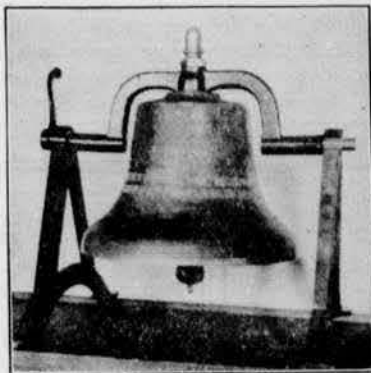
The next film entitled "The Land of Cotton," showed the entire process of cotton manufacture from the raw cotton to the finished woven cloth. An interesting feature of the picture was the process in which the cotton thread was converted into cloth on imitation wool blankets.

The final picture entitled "The Benefactor," dealing with the life of Thomas A. Edison and his invention of the incandescent lamp, proved to be the feature of the program. Edison is shown as a boy with an insatiable desire to know the reason why of things. His entrance into the commercial world as a newsboy, his experimenting in his chemistry laboratory placed in the baggage car of a train together with the accident in which he was dealt a severe

(Continued on Page 5, Col. 4)

WASHBURN TOWER HOUSES '26 BELL

Ringling Device Needed to Complete Installation



With the final installation of a ringling device, the new college bell, a gift of the class of 1926, which has been placed in the tower of the Washburn Shops, will toll forth to announce all the athletic victories and mass meetings on the Hill.

The bell measures twenty-one inches across the mouth, weighs 250 pounds and is cast of bronze bell-metal. It bears the inscription, "Presented by the class of 1926." Bevin Brothers Bell Company, of Easthampton, Conn., are the makers. A standard fire alarm tapper, the gift of H. I. Turner, '18, of the Gamewell Fire Alarm Company of Needham, Mass., will be used to ring the bell, but due to the accident on the switchboard of the Electrical Engineering building last Wednesday, the installation of the ringling system has been delayed.

TRACK SEASON TO OPEN MAY 7

Interscholastic and Tech-M. A. C. Meets On That Day

Professor Carpenter of the Physical Education Department, has already laid plans for a busy season on the track. In addition to the regular track schedule, plans have been completed for an interscholastic meet to be held at the Alumni field on Saturday, May 7, and for another the following Saturday, May 14, sponsored by the Eastern Intercollegiate Amateur Athletic Association.

Invitations for entry to the school-boy meet have been sent to many of the Massachusetts high schools, and indications show that there should be close competition for the various cups. Springfield Technical High defeated a fast field to win by a narrow margin in last year's meet. In addition to the inter-scholastics, a dual meet is to be run between Massachusetts Agricultural College and Tech. The home team, having gained a victory over the farmers in indoor track, another win is looked for in the outdoor event.

The Intercollegiate meet will find Union College, Rhode Island State, Connecticut Agricultural College, M. A. C., Northeastern University, Tufts, Trinity, Vermont and Worcester Tech entered in track and field events.

TEN JUNIORS TAPPED BY SKULL

At the student assembly last Thursday morning, Skull, the Senior honorary society, through its president and members, "tapped" five men of the Junior class of the Institute. Skull is a Senior honorary society composed of those men who have been the most active in their class for the furtherance of Tech spirit and the betterment of Tech in general. As well as being active men on the Hill, Skull men are men of personality and ability.

The five "tapped" at this time were, Milton Aldrich of Northampton, class president last year; Gifford Cook of Fall River, football manager, class secretary and editor-in-chief of Tech NEWS; Charles Muzzy of Worcester, business manager of the Tech NEWS and former class president; Leander Query of New Rochelle, N. Y., varsity football end and track man; Andrew Wilkinson of Worcester, class president and varsity football and basketball player.

In answer to questionnaires recently passed out to the students it was learned that Skull is the most desired honor to be gained at Tech.

NEW HAVEN TEAM CHOSEN FOR PROM

Ed. Wittstein Also to Play at Vassar and Smith Proms

The committee in charge of this year's Junior Prom has reported through its chairman, Philip A. MacArdle, that an orchestra has been finally signed for the event after considerable deliberation over the bids of some of the leading orchestras in the east. The job of furnishing syncopation at the greatest social function of the Tech years has been awarded to Ed Wittstein of New Haven who will appear at the Bancroft Ballroom on the eve of April 22, in person, with his famous ten piece orchestra. The choice was made after due consideration had been given to other well known teams and the committee feels that the orchestra selected will furnish the best music that has ever been heard at a Prom. Wittstein's Orchestra is not unknown to the followers of the best dance tune producers for it has been a drawing attraction for some time. The team has gained considerable renown in the past year, having played at some of the leading school and college functions of the seasons. Among other jobs, which the orchestra has on its books for this spring are the Yale Prom and also the Vassar and Smith Proms which will be held shortly after the Tech affair. With assurance of music of such

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TECH BANQUET HELD IN GYM

Seniors Win Interclass Song and Cheer Contest

HALF HOUR'S DARKNESS FAILS TO HALT BRILLIANT PROGRAM LED BY TOASTMASTER HAYNES

The annual Tech banquet, the only social get-together of the year at which all of the classes and the Faculty are present, was very successfully held Wednesday night in the Alumni Gymnasium with about three hundred students, faculty and alumni present. Class songs, cheers, class stunts and various speakers afforded the entertainment of the evening.

The banquet began with the singing of "America" and a Long Worcester. During the first course the lights suddenly and mysteriously ceased to function and the gymnasium was plunged into darkness. Considerable time elapsed before an engineer could be secured to restore the lights to their proper function during which the entire group joined in the singing of popular songs.

The four classes matched their wits in giving comical skits and the Juniors walked away with the honors by re-enacting "The Shooting of Terrible Dan McGrew." The plot of the skit deviated somewhat from the original, but nevertheless, Dan was shot down in cold blood murder when he ordered a raspberry soda instead of the usual form of "guzzle."

President Ralph Earle delivered an
(Continued on Page 5, Col. 1)

TRIBUTE TO BE PAID TO FOUNDER OF TECH

Stone to be Dedicated in June

Sometime during the month of June, at Mason, N. H., a stone is to be dedicated in memory of John Boynton, the founder of Worcester Polytechnic Institute.

Mason, N. H., is a small, quiet place off the beaten track, just north of the Massachusetts boundary line. It is the birthplace of John Boynton. The stone is to be placed in a triangular green in the center of the town. Inscribed on a tablet set in the stone will be the simple statement, "He opened the door of opportunity for youth."

The credit for sponsoring this tribute to the founder of our school is due to the Class of 1922 and President Earle.

ANNOUNCEMENT

The next regular monthly meeting of the NEWS staff will be held Tuesday afternoon, April 5th in B19 at 4 P. M. All Freshmen who have fulfilled requirements for reportership should have their material submitted to Everett D. Gibbs, Secretary, in regular form, by Monday, April 4th, along with written application.

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TERMS

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March 29, 1927

COLLEGIATE MELANCHOLIA

Hardly a day passes now that we do not read in our morning paper about some college, or even high school student who, in despair has taken, or made an attempt at taking his or her own life. What is the cause of this wanton destruction of youthful energy? Where can we place the blame for the wave of melancholia which seems to be sweeping over the entire country? We say it seems to be because we are not absolutely certain that it is sweeping over the country. It may not be as predominating as the daily newspapers would have us believe. It is with relief that we note most of the items of such a nature can be found more easily in the so-called "yellow journals" than in regular daily papers in which we place the most of our innocent trust. Sensationalism is the backbone of journalism and for this reason we are inclined to believe that more or less of this student suicide talk is the bunk. Of course we grant that the reports must be true that so and so of Speedunk University was found dead in a gas filled room, but there is no doubt in our minds but what the report is retouched and enlarged in every hundred mile radius that it travels. The question before us is not "Is this really happening?" but "Is this thing more prevalent now than in previous generations?" We answer, "No, we think not."

On the other hand we can not get away from the fact that the situation is present, even if not dangerous. We ask again what is the cause of it? Is it because college courses are too hard, or is it because college courses are not hard enough and consequently allow altogether too much time for the outside entertainment of the student, entertainment which is sometimes detrimental to the morals and to the physical strength of the growing young man or woman? It is a queer coincidence that the majority of cases seem to occur with those of the weaker sex and certainly the majority are in colleges of liberal arts. In view of the fact that we, as engineers, look upon the liberal arts college as a place of more leisure and enjoyment than our own halls of learning it would seem that the above contention has some background. Of course it is readily granted that the number of engineering colleges in proportion to the arts colleges is rather small.

The whole question is rather indefinite and impossible to decide either one way or another. The thing that we know however is that a Tech student has his full amount of curriculum work to attend to and yet we have had no cases of melancholia to bother us. We are, in contrast, a rather happy go lucky family.

THE NEWS PROBLEM

It is the desire of the TECH NEWS, as a student publication, to print all the news about our college. This is exceedingly difficult, as we are handicapped, at times, either by a shortage of interesting news, or by too much. At certain seasons of the year there is so much activity that we are obliged to select, as wisely as we may, the most important news items, omitting everything else. An attempt is always made to choose the articles according to their interest to the student body. We appreciate, however, any contributions or suggestions that may come our way and will give them all due consideration.

J. W. LEGG, '15 INVENTS CAMERA

New High Speed Machine Records Lightning Flashes

IS FIFTEEN TIMES AS RAPID AS ORDINARY MACHINES—TAKES 2600 PHOTOGRAPHS A SECOND

Mr. J. W. Legg, who was graduated from here in 1915, and who is now an engineer for the Westinghouse Electric and Manufacturing Co. has proved that the appearance of lightning of traveling in straight, jagged lines, and the appearance of all other electrical discharges of traveling in straight lines to be optical illusions, resulting from the fact that the eye and cameras hitherto in use were unable to record the true nature of the flashes.

The inventor says that he has invented a new high speed motion picture camera, fifteen times as rapid as ordinary machines and capable of taking 2,600 photographs per second, which shows that electric flashes travel in highly complicated spirals which traverse

distances many times greater than the straight line between the points of origin and termination.

Mr. Legg designed his camera chiefly to study the exact character of flashes occurring in generators, rotary converters, circuit breakers and other electrical machines, and it has been found valuable in observing electrical discharges of all kinds.

"Our studies have until now been confined to flashes produced in our high-voltage laboratory and no photographs have been made of lightning," he says, "but it is quite certain that lightning will be found to travel in complicated spirals. The average person conceives lightning to resemble an erratic scratch on a dark background. It would be more accurate to compare it to an irregularly coiled rope thrown from a ship."

Mr. Legg says that the spiral character of electric flashes may be seen particularly clearly when stereoscope photographs made with the Legg camera are mounted and viewed through a spectroscope, an optical instrument that shows pictures in three dimensions. Stereoscope photographs made of such flashes in the high voltage laboratory when viewed thus showed a

multiplicity of loops and twists, giving the general effect of a spiral staircase.

The Legg camera has twenty-two lenses and a shutter rotated at high speed by a small motor. Standard 8x10 inch plates are used and after exposure each plate carries twenty-two photographs in stereoscopic pairs.

There are only two of these cameras in existence. Mr. Legg has one and the other, built from his plans, is in the Electrical Engineering Department of the Worcester Polytechnic Institute.

ASSEMBLY

(Continued from Page 1, Col. 1)

open to engineers through the Bureau of Reclamation. Under the direction of this department over 16,000 miles of irrigation canals and ditches and 50 miles of bridges have been constructed.

In concluding his talk, Dr. Smith spoke of the huge strides made in the oil industry of America. The first billion barrels of oil were produced in 41 years. The second billion barrels took but fifteen months. The increasing rate at which the natural resources are being used have made necessary a policy of conservation and it is in its enforcement that the future interest of the Department of the Interior lies.



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who isn't
satisfied
with first
place

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PRES. EARLE INTRODUCES DR. GEORGE O. SMITH

In meeting this morning the speaker of today for the first time since the World War days, I am reminded of the strenuous times during which it was first my pleasure to meet him. The Navy Bureau of Ordnance has such an organization that it has always claimed that a transition from peace to war is hardly perceptible in its operation. Basically it is so. But as increased personnel became essential there had to be provided larger working quarters. The severing of diplomatic connections with Germany on February 3, 1917, found the Bureau's quarters decidedly outgrown.

A filibuster in the Senate drew Congress to a close on March 4, 1917, without hampering, by a possible unfavorable vote, the President should he desire to arm our merchantmen cruising the high seas upon their lawful occasions. When the gavel of the Vice-President struck the adjournment hour, the machinery to arm our merchantmen was put in motion. This all required office space, and such space was just what was NOT available. In my search for space, I happened to note that the Department of the Interior was just completing a handsome new office building. I was able to get a dispensation to temporarily occupy quarters there destined to belong permanently to the Reclamation service. Dr. Smith had a hand in this favorable action, I know. At any rate, the Navy Bureau of Ordnance from May 6, 1917 to October 15, 1918 were guests of the Department of the Interior, Geological Survey especially. Luncheons with the officials of that Department brought me into contact with Dr. Smith, and much to the Navy's and my advan-

tage. I found in him a most efficient director of large affairs and one whose advice was sound in every way.

Dr. George Otis Smith, the Director of the Geological Survey, is a New Englander. Born in Maine, he was graduated from Colby College, Waterville, in the class of 1893. His professional degree of Ph.D. was earned at Johns Hopkins in 1896. In addition to that degree he was honored by the Case School of Applied Science with the degree of Doctor of Science in 1914.

His experience as a geologist has come to him largely in Michigan, Utah, Washington and New England. A wide distribution of work which resulted naturally in a growth of experience, so that naturally he was fine material for the U. S. Geological Survey with which he has been since 1907, and he has been its director long before I was fortunate enough to know him.

He comes to us from Washington, D. C., as the speaker of the Sixth Fuller Lecture, lectures sponsored by our Alumnus, Mr. Henry J. Fuller, the donor with his partner of our swimming pool. The topic he has chosen is "The Forward Look by the Department of the Interior," and no doubt he will tell about the Geological Survey and give you some idea of a great government activity of which you can know but little.

A Yale player was teaching some cowboys how to play football. He explained the rules.

"Remember, fellows, if you can't kick the ball, kick a man on the other side. Now let's get busy. Where's the ball?"

One of the cowboys shouted: "Never mind the ball! Let's start the game!"—Psychology.

COLLEGE MEN GET CHANCE IN MOVIES

If college men really were like some of the so-called "collegians" now in the movies—thirty-year-olds in wide pants and con coats, with a passion for racing cars and all-night parties—college days indeed would be happy days. And think of those glorious dips in sunken pools and then the four-course breakfasts served in true hotel style that we see now and then in some flashing, sparkling college picture.

If folks who never went to college got their ideas of college life from a few far-fetched college pictures their views would be subject to considerable correction. College men are he-men; wide pants are on the decline, and breakfasts even at fraternity houses consist of grapefruit, toast and coffee. In fact, the cash rate for city men eating at the house at most fraternities is twenty-five cents for breakfast, forty cents for lunch, and sixty cents for dinner. And sunken gardens and swimming pools are an exception.

With all the thousands of stars now behind the klieg lights few are college men, fewer still of the directors are college men, so here's the opportunity

for ten representative college men to star in the movies, to help make college pictures real college pictures. First National Pictures and College Humor will send an advance man to more than thirty colleges in March and April to visit the dormitories and fraternities and eating places to interview as many men as possible, and a few weeks later a camera man, a make-up man, and competent judge of photographic personality and studio requirements will arrive to make the actual screen tests. These three men will be right from the lot at Burbank, and as soon as they have screened ten men the film will be sent direct to California for immediate inspection. By the first of June the judges will be ready to announce the names of the ten men who will make the trip to California.

Doctor—"You have a bad case of gout, Mr. Smith. The very best course for you is to take no wine, no beer, no alcohol in any form, no cigars—"

Smith—"Hold on, doctor! Who am I that I should have the best? What's the next best course?"—Psychology.

OPEN SWIMMING MEET

(Continued from Page 1, Col. 1)

event will be a 160 yard relay race between Clark University's relay team and Worcester Tech's team.

There is to be diving, open to men only, for the N. E. A. A. U. championships. The competition shall consist of five compulsory dives from the three and a half foot board. These dives are: running plain header; backward header; standing; running Islander (half gainer); backward spring and forward dive; running forward header with half screw and at least six optional dives.


This meet promises to be most interesting as it will be the first time that outsiders have exhibited their skill in our pool. It may also lead to the formation of a swimming team on the Hill, especially if the Clark-Tech swim is a success.

Carl Larson of Worcester, a member of the class of '30 is at present the holder of the 220 yard breast stroke championship of the N. E. A. A. U. and he will defend his title in this meet. Carl Larson was one of the main-stays in the Freshman Swimming team, the winner of the late inter-class swimming meet.

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Buy a tidy red tin of P. A. today. Throw back the hinged lid and breathe deeply of that real tobacco aroma. Then . . . tuck a neat wad into the business-end of your jimmy-pipe and light up. Now you have it . . . that taste! That's Prince Albert, Fellows!

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P. A. is sold everywhere in tidy red tins, pound and half-pound tin humidors, and pound crystal-glass humidors with sponge-moistener top. And always with every bit of bite and punch removed by the Prince Albert process.



ILLINOIS GREEKS DISCUSS PROBLEMS

Present conditions require the Greek-letter fraternity to make sure that its ideals are not lost, but are perpetuated, Dr. Joseph C. Nate, National Historian of Sigma Chi, told 3,000 fraternity men at the University of Illinois early in March. These conditions result from the great change in college life during recent years and are often confusing to the student.

This was the first gathering of its kind ever held in the United States. Every fraternity man at Illinois was present. It was called by R. N. Jones, president of the local Interfraternity Council.

"Fraternity ideals and principles are vital for the welfare of our land and the life of the world today," Dr. Nate continued. "The multifarious activities and distractions of the modern campus tend to deprive the fraternity of the opportunity it once had to inculcate its principles. Not only has the world turned a big corner since the great war, but on the college campus today we

face conditions radically new. The small chapters of other days have given place to the groups of two score and more. The palatial house, the great stadium, and the many activities are a revolution in what we call college life.

"The modern problem of Greek-letter work is that the ideals shall not be lost in the midst of the many things among which chapter life must fight for its share of recognition and attention. Surely there is no other thing more important than that every ideal for which we stand should be made the common possession of our chapter men," he concluded.

"Fraternities offer more chance to loaf, and more chance to work," declared Thomas Arkle Clark, Dean of Men at the University of Illinois, and a member of the High Council of Alpha Tau Omega. "Some fraternity men take advantage of both possibilities. During the initiatory ceremony idealism, fellowship, unselfishness and democratic behavior are stressed," he said. "See to it that these high principles are not mere words, but are translated into deeds."

Dean K. C. Babcock of the College of Liberal Arts and Science at Illinois, expressed his distaste for the imbecile and barbaric antics to which some fraternities submit their pledges during "Hell week." He stated as his belief that such practices detract from the seriousness of initiations. He also pointed out that to observe the ideals exemplified in the ritual would mean a more democratic development of fraternity life.

"Coonskin coats and sport roadsters do not typify the student body as a whole, any more than the bespectacled bookworm of the stage does the up-and-coming professor of the modern university," declared H. H. Rice, assistant to the president of General Motors Corporation, and a member of Delta Phi.

"Each generation looks askance at the foibles of the succeeding, forgetting its own foolishness. The present undergraduate fraternity man is safe if he realizes the obligation of noblesse oblige which is imposed on him because of the opportunities which are his by virtue of his college life and membership in a fraternity of high ideals."

MEMORIES OF TECH BANQUET MARCH 23, 1927

As we sat down to the table,
Then the lights went out.
What had happened to the blinkers
We were not long in doubt.

As we shouted in the darkness,
As we shouted out our yells,
So the noisy mob grew louder
And then piped down by spells.

When the lights came flashing on us
We began to eat
We kept working on the victuals
Lest time should us beat.

Dishes slipped from 'neath our noses,
Empty and scraped clean.
And between the songs and speeches
We ate our pie and cream.

When we filled beneath our neckties,
And the dishes slipped from sight,
Then our good Toast Master "Jinny"
Opened up the Banquet right.

Prexy spoke to us of loyalty
While the smoke filled in our eyes.
Jinny rose and made a spiel,
About what, I can't surmise.

For the good eats deadened hearing,
But I managed to hear "of Congress,"
And he introduced Congressman Stobbs.
Note! Our lessons made no progress.

He talked of Prexy's Ordinance,
Of Representatives and Senators
Of filibustering Democrats
Who obstruct the making of laws.

Oh, my gosh!
Show me the way to go home,
I'm tired and I want to go to bed.
Gee, he's closing! That's good.
Now Jinny's speaking instead.

Haf! Haf! Mr. Washburn's a Soph
He wears our paper cap.
He keeps much more than the others,
Our laughter always on tap.

He ceases and Jinny is closing
The Banquet for another year,
But those two have a few jokes,
Which they still want us to hear.

The night is ended, the banquet done,
We stand on our weary feet.
We sing the closing song before,
We leave the gym for the street.

Oh, Worcester Tech, our Polytech,
Our praises sing to thee,
To Alma Mater, good and true.
We pledge our loyalty,
Long have we felt they guiding hand,
Thy teachings broad and free,
With praises loud in every land,
We'll show our love for thee.

Then here's to Worcester Polytech,
Come fellows, join in our refrain,
Wave high the colors, Crimson and
Gray,
For good old Polytech.
At the Banquet,
C. E. NIMS, '29.

E. E. DEPARTMENT NOTES

Mr. R. A. Crane, who has been here as an assistant on research to Professor H. B. Smith, has accepted a position with the Vitaphone people, New York. Mr. M. B. Steele, '26, will be assistant in Mr. Crane's place.

Mr. A. L. Paquette, of the present Senior class, has accepted a position with the Westinghouse Electric and Manufacturing Company.

Mr. H. G. Lassells, '27, has accepted a position with the New England Power Company.

Mr. J. F. Peters, consulting engineer for the Westinghouse Electric and Manufacturing Company, was here last Friday visiting the high voltage laboratory.

SELF APPRECIATION AND SUCCESS

Never get the idea that that humility which the great teachers have commended is anything akin to self-effacement.

A certain modesty is becoming to any man.

But don't ever get it into your head that seemly modesty means drawing back into your shell and fearing to be seen or heard until somebody "discovers" you and invites you to manifest your presence.

And don't think for a single moment that all appreciation of your gifts must come from the outside.

If you are capable of self-analysis, no other man can know your talents better than you should know them for yourself; and certainly no other human being can bring them out and push them to the fore and use them for you.

The successful man is always the self-appreciative man.

He is the man who realizes, within and for himself, that he can do the thing he wants to do and be the thing he wants to be—the man who, realizing this, is not afraid to tackle the job of doing and being.

Some great men have been ridiculed for their conceit. But it were far better to be conceited than to fear to assert one's self in the face of the world.

The author of "Les Misérables" and "Notre Dame" is said to have agreed quite seriously with a friend who suggested that the name of France ought to be changed, and the whole country be called "Victor Hugo."

"That will come," the great literary genius is said to have rejoined, "in time!"

This, you will say, was self-appreciation carried to the last extreme.

But if Victor Hugo had never realized the bigness of Hugo, the world would not today have the masterpieces that Hugo wrote.

If Hugo had not believed that he was as big as anything about him, he might never have done any big and worthy thing.

Humility is seemly—and modesty is very good. But self-effacement brings eventually that total distrust of self that robs of the power to do any of the things that men call great.

You can be modestly great. Most great men are modest. But you cannot carry your modesty to an unreasonable extreme if you are going to be all that you ought and do all that you should.

Assert, then, your selfhood. Know your own abilities, and fear not to exercise them and thus make them known to the world.

SKEP CHEMISTS MAY ATTEND BOSTON MEETING

The Skep Chemists have been invited and expect to attend the joint meeting of the Student Affiliated Societies and the Northeastern Section.

The plans for this meeting have been completed as follows:

The meeting will be held at the Massachusetts Institute of Technology on Saturday, April 23.

2:30 P. M.—Walker Memorial. Assembly for visit to the Cambridge Gas Works.

6:30 P. M.—Walker Memorial. Dinner at \$1.25 per plate.

8:00 P. M.—The Naval Architecture Building. Dr. Lester A. Pratt of the Merrimac Chemical Company will speak upon the "Manufacture and Use of Lacquers" and Mr. J. Boiseau of the Hercules Powder Company will come on from Wilmington, Delaware, to speak on "Nitrocellulose—Its Properties and Uses in Lacquer." The Spray Engineering Company will give an exhibition of their method of the application of lacquer in a spray booth which will be set up in the lecture hall.

A notice of the meeting will appear in the April issue of the "Nucleus."



On Timken Bearings

In the right corner of the illustration a new chapter opens. Two specially equipped with anti-friction bearings are here. Timken Bearings make it possible. The first standard Timken-equipped cars go into operation on the Chicago, Milwaukee and St. Paul.

On good ground the new and wide of heavy Timken Tapered Roller Bearings are only one-eighth of the power needed to start and run the whole locomotive.

Just think, opening steel grades and better wheel steels which have been brought beyond anti-friction bearings. Here again, as in every other type of machinery, throughout industry, the "timken" has proved its Timken design, construction, and products.

TIMKEN Tapered Roller BEARINGS

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Reproduction of two-page Timken Advertisement in The Saturday Evening Post

Railroad trains running on Timken Bearings represent the most significant development in the history of friction elimination. When you realize that Timken-equipped trains can be started with only *one-eighth* of the power formerly needed, and that the old hot box dangers are gone, you begin to sense the meaning of this latest Timken achievement.

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THE TIMKEN ROLLER BEARING CO., CANTON, OHIO

Every Engineering Department should have the highly informative Timken Engineering Journal—110 pages broadly covering modern bearing practice. Faculty members may have a copy upon request.

TECH BANQUET

(Continued from Page 1, Col. 5)

interesting speech on the chances that the average man has of making a success of himself in life. It is his contention that a man can accomplish great things no matter what his obstacles may be and that the man who usually succeeds is the one who works the hardest when everything seems to be against him. He gave as an example Theodore Roosevelt, who was, in his infancy, practically an invalid, but who, by his own efforts, became a personage endeared to the hearts of nearly all his countrymen.

In conclusion, President Earle urged the students to display their college spirit and love for Tech at every opportunity; not only in class work but in all activities on the Hill.

Representative George R. Stobbs, a member of the 69th and 70th Congress, spoke on the procedures and duties of the Senate and House of Representatives and fairly proved to his audience that the Representatives are not such a bad lot of fellows as they are painted. The nature of the talk and the details of the explanation proved to be extremely interesting; especially to those taking the course in Polyscience.

One of the chief points of the discourse was the recent filibuster which was so detrimental to functioning of the Senate. At the conclusion of the talk, the Sophomores presented Congressman Stobbs with a gigantic five-pound lollipop, which was labeled with a placard bearing the words, "A cure for filibuster."

The Hon. Charles G. Washburn concluded the list of speakers by discoursing on the importance of the Engineer in the making of our history and in the general life of today. One important topic of the dissertation was the story of how Eli Whitney, by the in-

CAMERA CLUB WILL MEET TO DISCUSS EXHIBITION

Next Wednesday evening there will be a meeting of the Camera Club at 7:30 P. M., in the M. E. library. The purpose of the meeting will be to discuss prints for the coming exhibition. Quite a number of very creditable bromides are already available, but the more advanced pictorial processes have not received as much attention as they deserve. Let's see some gums and carbos at the next few meetings as well as bromides. The weather ought to be suitable for making bromoids very soon now and a few of these would also be very welcome.

vention of the cotton gin, made the civil war a necessity. The entire speech was filled with the original wit and humor for which "Charlie" is so well noted and ended in a contest between him and toastmaster "Jinny" Haynes in which each tried to best the other in making the wisest "wise crack."

The usual spirit of the annual affair was more than ever in evidence in the singing of songs and in the unique dress of the four classes. The Seniors won both honors by singing "That's a Lot of Bunk" in the attire not unlike that worn at an old time Faculty meeting. The Juniors, in their natty coats of crimson and grey; the Sophomores in their gaily bedecked head-dress; the Freshmen with a crimson "30" fastened on the pocket of an open-collared white shirt, all lent a colorful atmosphere to the occasion.

The success of the affair was made possible by the efforts of Ellsworth Carpenter, chairman of the banquet, and his efficient staff of assistants: V. K. Pittfield, J. A. H. Crozier, D. Dodkin, L. W. Lewis, R. W. Whittemore,

BOWLING TEAM PROVES WORTH

Strong Opposition Put Up in Industrial Matches

The Tech Bowling Club, which was started last year, has now organized a varsity team which is playing according to a definite schedule. The team lost its first two matches, one to the Worcester Country Club and the other to the Crompton and Knowles men, but in the next two matches the team did much better winning from the Jefferson Ramblers, and from the Crompton and Knowles team in a return match. In the last two contests the total pinfall of the Tech men was increased 8 per cent., showing a considerable gain in accuracy.

The team consists of eight men, five regulars, "Don" Calder, "Soup" Campbell, "Swede" Swanson, "Vern" Wade, "Bill" Mill and two spare men, Leo Melican and Carl Olsing.

The schedule and the played matches up to date are as follows:

	Pinfall	Points
	WPI	Opp WPI Opp
W. C. C.	1273	1448 0 4
C. & K.	1214	1316 0 4
J. R.	1341	1254 4 0
C. & K.	1310	1278 3 1

The average of each player's string is:

Calder	90.4
Campbell	88.
Swanson	85.6
Wade	83.9
Mill	79.6

S. Marino, C. Muzzey, G. T. Cook, Daniel R. Leamy, C. Broker, A. H. Holway and T. W. Jones.

L. C. A. BOWLERS LEAD INTRAMURAL LEAGUE

Theta U is Runner-Up

As the annual interfraternity bowling matches draw to a close, competition and enthusiasm are becoming keener. Last Friday night Lambda Chi was leading by thirteen points when the lights went out in the gymnasium, thus leaving a close match with Phi Sig unfinished.

Al Ericson of Lambda Chi is high scorer, with Ted Jones of Phi Sig as runner-up. The attendance at the matches this season has been very good and is indicative of the increasing popularity of this sport on the Hill.

The standing of the teams at present is as follows:

	Points
L. C. A.	13
T. U. O.	11
A. T. O.	9
P. S. K.	8
P. G. D.	6
T. C.	5
S. A. E.	4

MOVIES

(Continued from Page 1, Col. 2)

blow causing him to lose his hearing were interesting episodes shown of his boyhood. The first firm of electrical engineers in the world was shown with Edison as a partner. It was during his early manhood that Edison conceived the idea of illumination by electricity and the indefatigable industry and patience necessary before he reached his goal could not help but prove an inspiration to all who were present.

CHAPEL SERVICES

Week of March 27

MONDAY, Prof. Taylor's fourth vocational talk entitled, "What Should I Expect From My Job?"
TUESDAY and WEDNESDAY, Rev. William Smith, rector of St. Matthew's Episcopal Church.

THURSDAY, Song service.
FRIDAY, Rev. Hollis Bartlett, pastor of the Lakeview Congregational Church.

Week of April 3

MONDAY, Prof. Taylor's last vocational talk entitled, "How Shall I Get a Job?"
TUESDAY and WEDNESDAY, Rev. Arthur Hjelm, pastor of the Calvary Lutheran Church.

JUNIOR PROM

(Continued from Page 1, Col. 4)

a calibre there is no doubt that the Prom this year will be better than ever.

With an orchestra signed definitely the committee has gone ahead with its other plans which have been pending an orchestra, and the tickets for the Prom were placed on sale last Friday, and work was carried on in compiling a list patrons which promises to be of good size. Tickets may be obtained from any of the Fraternity Houses or from the following members of the committees: G. T. Cook, S. A. Marino, L. F. Leidholt, H. L. Partridge, C. S. Durbin, and E. P. Wood. Men will be appointed from the other three classes to care for the sales in those classes some time this week. The subscription price will be ten dollars.



Resists Corrosion

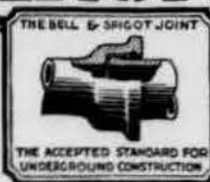
THIS picture, taken in the salt marshes near Kearny, N. J., shows two lines of 30-inch Cast Iron Pipe replacing pipe made of other material. The alternate exposure to the action of salt water and air is a severe test.

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COMPLIMENTS
OF
THE BANCROFT

SWIMMING HONORS WON BY LAMBDA CHI ALPHA

Phi Sig Takes Second Place

Lambda Chi Alpha won the inter-fraternity swimming tournament Friday afternoon with a score of 30 points. Phi Sigma Kappa, Alpha Tau Omega, Sigma Alpha Epsilon and Theta Upsilon Omega were next in order with the scores of 23, 12, 6 and 3, respectively; Phi Gamma Delta and Theta Chi failed to place in the scoring.

The competition was exceedingly keen throughout both the preliminary and final meets and brought to light considerable good material for the varsity team which is to see some action in the very near future.

Summary of preliminaries:
160-Yard Relay—First heat won by A. T. O.; second, L. C. A. Second heat won by P. S. K.; second, T. U. O.

40-Yard Free Style—First heat, Naylor (P. D. G.); Reynolds (P. S. K.). Second heat, Wooley (A. T. O.); P. Smith (P. S. K.). Third heat, Converse (P. S. K.); Locke (L. C. A.).

100-Yard Back Stroke—First heat, Lundborg (P. S. K.); Allen (S. A. E.); Anderson (T. C.). Second heat, G. Smith (L. C. A.); Tawter (S. A. E.); Naylor (P. G. D.).

220-Yard Free Style—First heat, Wooley (A. T. O.); Sutthill (S. A. E.); Mather (L. C. A.). Second heat, Tompkins (A. T. O.); G. Fleming (T. U. O.); Rose (L. C. A.).

100-Yard Breast Stroke—First heat, Whittemore (L. C. A.); Cross (A. T. O.); Hall (T. U. O.). Second heat, Erickson (L. C. A.); others disqualified.

100-Yard Free Style—First heat, Locke (L. C. A.); Converse (P. S. K.); G. Fleming (T. U. O.). Second heat,

THIRTY REPORT FOR BASEBALL

Many Freshmen Come Out For First Practice

Attention is now turned to the National pastime—baseball. At the first indoor practice held last Thursday some thirty men reported, the majority of whom were Freshmen. Most of the letter men now at Tech did not report, but will report later in the season. Last year's men now available are: Joe Guidi, catcher; Dan Leamy, first baseman; Cal Brackett, outfielder and present captain; Joe Harris and Frank McCarthy, outfielders; and Robinson, pitcher. James McCarthy, letter man two seasons ago, will probably be seen in uniform when outdoor practice starts.

Of the Freshmen, Horgan and Wright show up as promising catchers. Many are out for third base; they are Bergin, Emmon, O'Grady and Whittum. Anderson, Nowiski, Kaminski, Gill, Thrower, Tawter, Purcell and Fitt are all infielders of ability. Four outfielders, are Peters and Davidson. Graham has a reputation of being a speed ball artist.

Tompkins (A. T. O.); G. Smith (L. C. A.); S. Carlson (P. S. K.).

Summary of finals:

160-Yard Relay—Won by P. S. K.; second, L. C. A.; third, A. T. O.; fourth, T. U. O.

Diving—Won by J. Tawter (S. A. E.); second, Lundborg (P. S. K.); third, Reynolds (P. S. K.).

40-Yard Free Style—Converse (P. S. K.); Locke (L. C. A.); Wooley (A. T. O.). Time—22s.

100-Yard Back Stroke—G. Smith (L. C. A.); Lundborg (P. S. K.); Tawter (S. A. E.). Time—1m. 28.45s.

220-Yard Free Style—Tompkins (A. T. O.); Rose (L. C. A.); Wooley (A. T. O.). Time—3m. 6s.

100-Yard Breast Stroke—Whittemore (L. C. A.); Cross (A. T. O.); Hall (T. U. O.). Time—1m. 31s.

100-Yard Free Style—Locke (L. C. A.); Converse (P. S. K.); Tompkins (A. T. O.). Time—1m. 51.5s.

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BASKETBALL HONORS TAKEN BY FRESHMEN

Juniors Defeated by 32-27 Score

The Freshman quintet defeated the Juniors in the finals of the inter-class basketball series last Monday by a score of 32-27. Neither team played its best brand of basketball, being slowed up considerably by a slippery floor which had been waxed for the inter-fraternity dance. As a result many passes went wild and many spills were received.

The Freshmen started the scoring with a basket by Smith followed by two more, both by Fitt. The Freshmen were never headed and at the end of the first quarter led by a 12-5 score which they increased to 23-13 at the end of the half.

During the second half Capt. Cotton, high scorer of the game, caused the lower classmen a great deal of worry by his many successful shots from mid-floor. He scored seven field goals and one free try. Gallup and Kearnan also showed up well for the Juniors.

Graham, Smith, and Fitt played their usual fine game scoring most of their teams' points. This victory by the Freshmen avenges the defeat at the hands of the Juniors in soccer last fall.

Lineups:

FRESHMEN—32			
	ft	fg	tp
Fitt, lf	1	4	9
Smith, rf	1	5	11
Graham, c	3	3	9
Holmes, lb	1	0	1
Topelian, rb	0	1	2
	6	13	32

JUNIORS—27			
	ft	fg	tp
Cotton, lf	1	7	15
Kearnan, rf	0	2	4
Gallup, c	1	3	7
Lundberg, rb	0	0	0
Wilkinson, lb	1	0	1
	3	12	27

Substitutions—Juniors: Maston for Wilkinson. Wilkinson for Maston.

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